Amendments to the Drawings

The attached sheet of drawings (sheet number 7/7) includes changes to Fig. 6. This sheet replaces the prior submitted sheet number 7/7.

In Fig. 6, reference number 625 has been added to identify the polarizing beam splitter.

* Attachment: Replacement Sheet Number 7/7;
Annotated Sheet Number 7/7 showing changes.

Remarks

Applicant acknowledges receipt of the Office action dated June 15, 2006. Claims 20-38 remain pending in the application.

I. Amendments to the Specification

The specification is amended to clarify the description of the LCD projection system illustrated in Fig. 6. Specifically, the amendments to the specification describe that the polarizing beam splitter 625 directs light from the polarizer 54 toward a panel 622 or 623 to produce an image to be projected. This is shown in Fig. 6 and does not add new matter.

In previous amendment C, the following amended paragraph was submitted to replace the paragraph beginning on page 8, line 26 of the application:

> The imaging apparatus 62 comprises a color selector 621, a PBS 625, two liquid crystal panels 622,623 and a lens 624. The color selector 621 is adapted for selecting the desired color and its complementary color. The PBS 625 is used for receiving the p-polarized light from the illumination device 61. The two liquid crystal panels 622,623 are reflective liquid crystal on silicon (LCoS) panels 622,623 and comprise a plurality of pixels respectively for producing the desired image and projecting the image through the lens 624.
>
> Theoretically, if the p-polarized light from the illumination device 61 is pure p-polarized light, the color selector 621 and the liquid crystal panel 622 can be omitted. However, in actual condition, the p-polarized light from the illumination device 61 is not pure p-polarized light and may have less s-polarized light; therefore, the color selector 621 and the liquid crystal panel 622 cannot be omitted. The p-polarized light passes through the PBS 625 directly and then is reflected by the liquid crystal panel 623. The

s-polarized light is reflected by the PBS 625, then reflected by the liquid crystal panel 623, and then passes through the PBS 625 directly.

The second part of this amended paragraph which starts with "Theoretically, if the p-polarized light from the illumination device 61 is pure p-polarized light" was intended to be inserted into the application as a new paragraph following the paragraph which starts with "The imaging apparatus 62 comprises". However, this intention is not clear from Amendment C. Therefore, this Amendment E deletes the second part of this paragraph which starts with "Theoretically, if the p-polarized light from the illumination device 61 is pure p-polarized light" and adds it as a new paragraph following the paragraph beginning on page 8, line 26 of the filed application. This paragraph further describes the LCD projection system illustrated in Fig. 6 and does not add new matter.

II. Amendments to the Drawings

In the drawings, Fig. 6 is amended to add reference number 625 to identify the polarizing beam splitter. The polarizing beam splitter of the LCD projection system illustrated in Fig. 6 was shown in the originally filed drawings, but was not labeled. Since the polarizing beam splitter is now a feature of the claims, it has been appropriately identified by a reference number. This amendment corresponds to the amendments made to the specification described above. No new matter is added because the beam splitter was clearly shown in the originally filed drawings.

III. Response to Claim Rejections - 35 U.S.C. § 112

Regarding claims 20 and 30, the feature "a polarizing beam splitter directing light from the polarizer toward a panel producing an image to be projected" is clearly shown in and support by Fig. 6 as originally filed in the application. Figure 6 illustrates an LCD projection system (60) comprising an illumination device (61) and an imaging apparatus (62). As originally filed, Fig. 6 illustrated that the imaging apparatus comprised a square box having two triangular prisms connected together and surrounded by a color selector 621 and two liquid crystal panels 622, 623. It can be understood by one of ordinary skill that a square box having two triangular prisms connected together, as illustrated in Fig.

* 6, schematically represents a beam splitter. See the attached definition of a beam splitter.

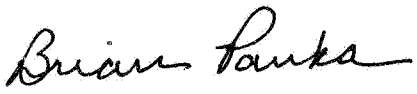
It is also known in the art that the function of a beam splitter is to receive incident light through one port (i.e., through one side of the square box) and reflect part of the received light and transmit part of the received light. Figure 6 illustrates this function. Various arrows show light from the polarizer 54 and color selector 621 being received through one side of the square box and being partly reflected to panel 622 and partly transmitted to panel 623. Applicant clearly intended the square box of the imaging apparatus represent a beam splitter. Figure 6 has been subsequently amended to identify the square box as a beam splitter 625. The specification has also been subsequently amended to clarify that the square box is a beam splitter.

Thus, it can be seen that the feature "a polarizing beam splitter directing light from the polarizer toward a panel producing an image to be projected" was originally disclosed in the application. Moreover, the disclosure was sufficient to reasonably covey to one skilled in the relevant art that the inventor possessed the claimed invention at the time the application was filed. For these reasons, claims 20 and 30 are patentable. Claims 21-29, which depend from claim 20, and claims 31-38, which depend from claim 30, are patentable for the same reasons.

IV. Conclusion

Favorable consideration and allowance of pending claims 20-38 are respectfully requested. It is believed that no fees are due in connection with this Amendment E. If however, the Commissioner determines a fee is due, he is hereby authorized to charge said government fees to Deposit Account No. 19-1345.

Respectfully submitted,



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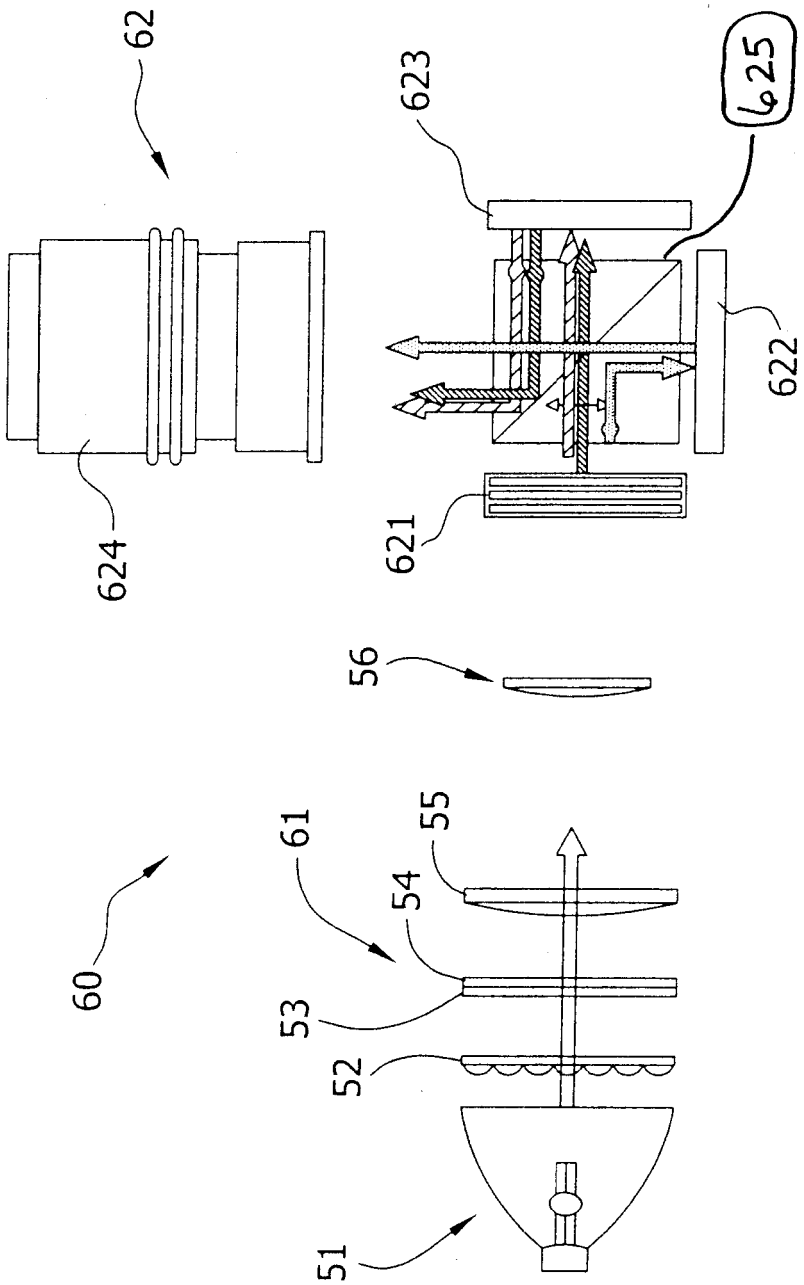

FIG. 6